

Monday, 09/11/2017

The ERT's mobile laboratory, using the TAGA tandem mass spectrometer system, monitored along the perimeter of the neighborhood adjacent to the Valero refinery (Houston). Low level benzene concentrations (less than 1 part per billion by volume (ppbv)) were observed at many locations. The highest benzene, toluene, xylenes concentrations observed in the Manchester neighborhood were 1.4 ppbv for benzene, 14 ppbv for toluene, and 6 ppbv for xylenes/ethylbenzene. A vehicle was suspected to have caused this plume.

Mobile monitoring was conducted west, south, and east of the Manchester neighborhood adjacent to the Huntsman, Eco Services Operations, Goodyear, TPC Group, Flint Hills Resources-Houston chemical/petrochemical industries. The highest concentrations of toluene, xylene/ethylbenzene, tetrachloroethene were observed at the intersection of LaPorte Freeway Frontage Road and Allen Genoa Road adjacent to a Chevron Gas Station at the following concentrations: 7 ppbv, 6 ppbv, and 8 ppbv, respectively. The highest benzene concentration was observed at the corner of Maroby Street and Vinett Street at 6ppbv. The wind was from the NNE today.